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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/543,019	12/22/2005	Norishige Kawaguchi	501/43589/Case 102-PCT-US	3950	
	79 7590 05/27/2009 FREXLER, BUSHNELL, GIANGIORGI,			EXAMINER	
BLACKSTONE & MARR, LTD.			COHEN, JODI F		
SUITE 3600	105 WEST ADAMS STREET SUITE 3600		ART UNIT	PAPER NUMBER	
CHICAGO, IL 60603			1791		
			MAIL DATE	DELIVERY MODE	
			05/27/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/543,019	KAWAGUCHI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Jodi Cohen	1791	
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the c	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPLEWHICHEVER IS LONGER, FROM THE MAILING ID. - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by stature Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tired will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).	
Status			
Responsive to communication(s) filed on 24 I This action is FINAL . 2b) ☐ This action is FINAL . Since this application is in condition for allowated closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro		
Disposition of Claims			
4) Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/ Application Papers 9) The specification is objected to by the Examin	awn from consideration. For election requirement.		
10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	cepted or b) objected to by the edrawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority documer application from the International Burea * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat ority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate	

Application/Control Number: 10/543,019 Page 2

Art Unit: 1791

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/06/2009 has been entered.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamamoto JP 11-106570- as cited in the provided machine translation and further in view of Semen (US 6596198).

Regarding claims 1-4, Yamamoto discloses a method for manufacturing a polyolefin-polyamide resin composition [0006]-[0007], comprising melting and kneading, extruding, and drafted drawing or rolling fibers and further pelletizing the fibers with a fiber diameter of 1 micrometer or less by cooling [0017]-[0020]. The resin composition comprising a polyolefin such as polyethylene [0008], a polyamide that can have an

Application/Control Number: 10/543,019

Art Unit: 1791

amido group in the main chain and a melting point of 160-265 "C [0011], and a silane coupling agent [0013]-[0014]. Yamamoto also discloses adding organic peroxide but does not disclose adding a first antioxidant with a melting point of 70-170 °C, and a second antioxidant with a melting point of 180-300 °C.

Page 3

Semen teaches manufacturing a polyolefin polymer comprising melting kneading and palletizing by cooling a polymer. Additionally, a stabilizer additive is added to the polyolefin polymer in order to protect against polymer discoloration and thermooxidative degradation (Col 3; lines 12-20), wherein the additive comprises a first hindered phenol antioxidant with a melting point above 100 degrees Celsius and a secondary phosphate antioxidant. Semen lists a series of exemplary first antioxidants including melting points ranging from 94, 154, 128-132, 93-108, 76-79, 161-163, 110-125, 155-159, 50-55, 218-224, and 63 degrees Celsius (Col 4; line 10-Col 14-line 53). Thus only three of the exemplary first antioxidants fall outside of the range claimed in the present application of 70-170 degrees Celsius. The exemplary secondary antioxidants listed include melting points ranging from up to 200, 183-188, 200-205, 320-33, and 85-95 degrees Celsius, thus only two of the recommended secondary antioxidants fall outside of the melting point range claimed in the present application of 180-300 degrees Celsius. Thus it would have been obvious to one of ordinary skill in the art to have included the additive in the polyolefin polymer taught by Yamamoto because Semen teaches it protects the polymer against discoloration and thermooxidative degradation.

Response to Arguments

4. Applicant's arguments with respect to claims 1-2 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jodi Cohen whose telephone number is 571-270-3966. The examiner can normally be reached on Monday-Friday 7:00am-5:00pm Eastern.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571-272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/ Carlos Lopez/

Application/Control Number: 10/543,019 Page 5

Art Unit: 1791

Primary Examiner, Art Unit 1791

/Jodi F. Cohen/ Examiner, Art Unit 1791